

## **Abstract of the Disclosure**

L-arginine is produced using a bacterium belonging to the genus *Escherichia* harboring a mutant N-acetylglutamate synthase in which the amino acid sequence corresponding to positions from 15 to 19 in a wild type N-acetylglutamate synthase is replaced with any one of amino acid sequences of SEQ ID NOS: 1 to 4, and feedback inhibition by L-arginine is desensitized.

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